

Patent  
Atty. Dkt. No. LYNN/0119

**IN THE SPECIFICATION:**

On page 12, after the end of Table 4, please insert Table 4A and Table 4B, as follows:

**Table 4A - Strontium-Rubidium Separation Factor**

<b>Ion Exchange Material</b>	<b>1M NaCl</b>	<b>0.1M NaCl</b>	<b>0.01M NaCl</b>	<b>0.001M NaCl</b>
AW500	16.0	142	258	55.3
Hydrous SnO <sub>2</sub>	767	7,167	3,444	179
K <sup>+</sup> Pharmacosiderite	124	528	293	69.9
Sodium Titanosilicate	69.4	1.41	1.04	0.57
AG 50W (Na <sup>+</sup> )	4.57	45.1	531	376
Chelex 100 (Na <sup>+</sup> )	203	3,300	16,884	5,078
NaTi (Honeywell)	8,956	10,098	529	203
NaTi (No hydrothermal)	382,500	43,559	2,639	834
NaTi (170 C, 21hr)	114,444	22,143	1,301	579
NaTi (170 C, 3d)	137,000	1,370	1,101	299
NaTi (170 C, 7d)	55,667	55,600	5,617	1,273
NaTi (200 C, 21hr)	54,875	17,595	590	239
NaTi (200 C, 3d)	32,625	17,269	1,213	515
NaTi (200 C, 7d)	48,750	38,200	2,387	1,202
ZrO <sub>2</sub>	3,360	4,350	3,550	1,506

**Table 4B - Percent Rubidium Retention Generated on 0.1 g of Exchanger after Elution with 50 mL of NaCl Solution, mCi per 100 mCi**

<b>Ion Exchange Material</b>	<b>1M NaCl</b>	<b>0.1M NaCl</b>	<b>0.01M NaCl</b>	<b>0.001M NaCl</b>
AW500	18.8	55.4	90.8	97.8
Hydrous SnO <sub>2</sub>	0.2	1.2	6.7	36.7
K <sup>+</sup> Pharmacosiderite	22.8	48.7	80.2	88.9
Sodium Titanosilicate	94.1	99.7	99.6	99.3
AG 50W (Na <sup>+</sup> )	1.4	13.0	57.9	93.0
Chelex 100 (Na <sup>+</sup> )	0.6	1.6	7.9	33.9
NaTi (Honeywell)	1.8	16.9	49.4	62.0
NaTi (No hydrothermal)	0.8	10.6	35.9	47.1
NaTi (170 C, 21hr)	1.8	10.1	29.5	37.3
NaTi (170 C, 3d)	1.4	8.4	28.4	38.3
NaTi (170 C, 7d)	0.6	2.9	8.6	12.4
NaTi (200 C, 21hr)	1.6	13.6	40.0	50.1
NaTi (200 C, 3d)	1.6	9.4	29.3	38.0
NaTi (200 C, 7d)	0.8	4.8	18.2	26.3
ZrO <sub>2</sub>	0.2	2.3	10.7	23.5